

AMENDMENTS TO THE SPECIFICATION

Please amend/replace the following application paragraphs as indicated:

[0013] Fig. 2 illustrates a functional diagram of an exemplary RBS 36 according to one embodiment of the present invention. The radio base station 36 includes control circuits 38, a plurality of transmitters 40 and receivers 42, a multiplexer 44, a demultiplexer 46 and one or more transmit and receive antennas 48. The control circuits 38 control the operation of the RBS 36. Signals received by receive antennas 48 from mobile stations 100 are demultiplexed by demultiplexer 46 and fed to the receivers 42 for processing. Signals transmitted by the RBS 36 are combined by the multiplexer 30 and applied to transmit antennas 48. Gating circuits 50 enable the control circuits 38 to selectively turn the transmitters 40 on ~~[[an]]~~ and off as will be described in greater detail below. The gating circuits 50 may be coupled to the output of the transmitters 40, or alternatively, may interrupt the power supply to the transmitters 40. The functional elements of Fig. 2 may be implemented in software, hardware, or some combination of both. For example, one or more of the functional elements in RBS 36 may be implemented as stored program instructions executed by one or more microprocessors or other logic circuits included in RBS 36.

[0018] A plurality of mobile stations 100 transmit data frames to the RBS 36 over a reverse link packet data channel. To make communications between the mobile stations 100 and the RBSs 24 more robust and to increase sector throughput, the ~~networks~~ network 10 implements automatic repeat request (ARQ) at the physical layer. For purposes of this application, ARQ includes hybrid ARQ (HARQ) schemes that combine ARQ and with forward error correction (FEC). When a RBS 36 receives a data frame from a mobile station 100 in error, it sends a negative acknowledgement (NACK) to the mobile station 100 provided that the maximum

number of retransmissions has not been reached. Alternatively, the RBS 36 may acknowledge (ACK) good frames. In response to the NACK, or the lack of an ACK, the mobile station 100 retransmits the erroneous frame, typically at the same data transmission rate as the original transmission. In some systems, the mobile station 100 may increase the data transmission rate for the retransmission.